

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-312536

(43)Date of publication of application : 09.11.2001

(51)Int.Cl.

G06F 17/60  
G05B 15/02  
G05B 19/418

(21)Application number : 2000-130405

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(22)Date of filing : 28.04.2000

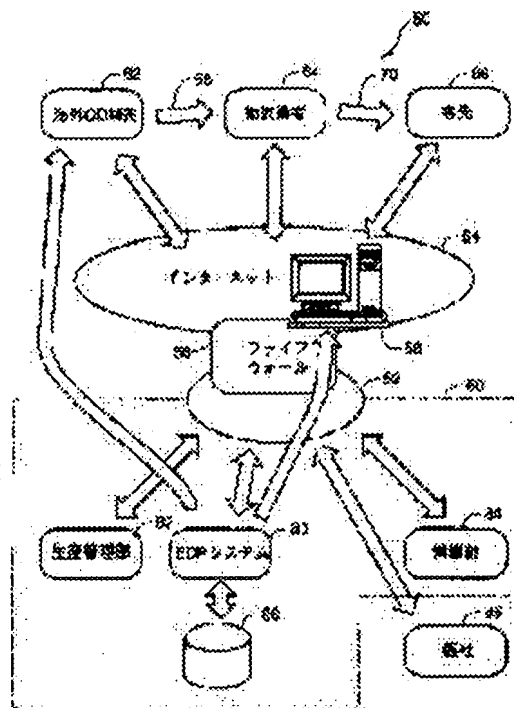
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(54) SERVER DEVICE FOR PRODUCTION CONTROL, METHOD FOR PRODUCTION CONTROL OF COMMODITIES AND STORAGE MEDIUM WITH PROGRAM FOR REALIZING A METHOD OF PRODUCTION CONTROL OF COMMODITIES RECORDED THEREON

(57)Abstract:

PROBLEM TO BE SOLVED: To shorten the delivery time to customer in a case of consigning the production of commodities to the outside.

SOLUTION: Server device for production control 60 accepts information on the order of commodities, production and distribution of commodities from production control data base 88 and computer 62, 64, 66 that is linked to the Internet 54 and computer 82, 84 that is linked to the Intranet 52, and includes a data input part 80 that maintains the data base 88 and an access preparation part 80 that prepares web page for accessing to some data of data base 88 in WWW server 58 outside fire wall 56 in responding to data of given category input and a notification part 80 that notifies URL of web page prepared in information sharing server 58 to each unit by e-mail, in responding to data of given category input.



LEGAL STATUS

[Date of request for examination] 16.03.2001

[Date of sending the examiner's decision of rejection] 19.08.2003

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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TECHNICAL FIELD

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[Field of the Invention] This invention obtains cooperation of not only the interior of a company but the company exterior, starts production of goods with sufficient timing according to the need hope, and when actual demand occurs, it relates to the production control system of the goods for supplying a suitable quantity of goods to suitable \*\*\*\*. In the system which entrusts production of goods previously and delivers goods to end users, such as a mass retailer, directly through a PD contractor this invention - especially -- for example, overseas outsourcing (ODM: Own Design Manufacturing) -- In each of the company which becomes the ODM point, an end user, and a subject, it is related with the production control system of the goods which can manage order, production, shipment, delivery, etc. in a shorter cycle based on a motion of goods, a production schedule, a demand forecast, and real sale information.

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CLAIMS

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[Claim(s)]

[Claim 1] Connect with the intranet in a company and the Internet is accessed through a fire wall. It is production-control server equipment used in order to manage production of the goods entrusted to the commission place outside a company. Besides said fire wall The information offer server with which the computer connected to said Internet in the format which can peruse the information in said production-control server equipment from the exterior accessible can be provided from the outside is prepared. The database means for holding data required in order that said production-control server equipment may manage the part of the request of an order of goods, production, and the PD, From the computer in the company connected to the computer and said intranet of the exterior connected to said Internet The data input means for maintaining the data which receive the information about an order of goods, production, and the PD, and said database means holds, It answers that the data of a predetermined class were inputted into said production-control server equipment by said data input means. The access preparation means for preparing the access means for accessing a part for the data division corresponding to said predetermined kind of said database means of data in said information offer server, It answers that said predetermined kind of data were inputted into said production-control server equipment by said data input means. Production-control server equipment including the notice means for notifying to the destination to which the information for accessing said access means prepared in said information offer server was beforehand set according to said predetermined kind of information by said access preparation means.

[Claim 2] Said information offer server is equipped with a WWW server. Said access preparation means The means for preparing the page prepared in order to answer that said predetermined kind of data were inputted and to peruse the information relevant to the predetermined kind concerned of data in said WWW server is included. Said notice means is production-control server equipment including the means for transmitting the electronic mail which contains URL of said prepared page in the e-mail address beforehand defined corresponding to said predetermined class according to claim 1.

[Claim 3] Said data input means is production-control server equipment according to claim 1 or 2 which answers an electronic mail and includes the electronic mail processing means for performing processing beforehand defined to a part for the data division as which said database means was beforehand determined according to the destination address of said electronic mail, respectively, respectively.

[Claim 4] Said electronic mail processing means is production-control server equipment according to claim 3 which answers the electronic mail which has an attached paper and includes the attached-paper processing means for updating a part for the data division as which said database means was determined beforehand, respectively according to the approach beforehand defined using the data contained in said attached paper, respectively according to the destination address of said electronic mail.

[Claim 5] The production-control server equipment which was connected with the intranet in a company and connected with the Internet through the fire wall is used. It is the production-control approach of the goods for managing production of the goods entrusted to the commission place outside a company. Besides said fire wall The information offer server with which the computer connected to said Internet

in the format which can peruse the information in said production-control server equipment from the exterior accessible can be provided from the outside is prepared. The step which prepares the database means for holding data required in order that the production-control approach of said goods may manage the part of the request of an order of goods, production, and the PD in said production-control server equipment, From the computer in the company connected to the computer and said intranet of the exterior connected to said Internet The step which maintains the data which receive the information about an order of goods, production, and the PD, and said database means holds, It answers that the data of a predetermined class were inputted into said production-control server equipment by said data input means. The step which prepares the access means for accessing a part for the data division corresponding to said predetermined kind of said database means of data in said information offer server, It answers that said predetermined kind of data were inputted into said production-control server equipment by said data input means. The production-control approach containing the step notified to the destination to which the information for accessing said access means prepared in said information offer server was beforehand set according to said predetermined kind of information by said step to prepare of goods.

[Claim 6] Said information offer server is equipped with a WWW server. Said step to prepare The step which prepares the page prepared in order to answer that said predetermined kind of data were inputted and to peruse the information relevant to the predetermined kind concerned of data in said WWW server is included. Said step to notify is the production-control approach containing the step which transmits the electronic mail which contains URL of said prepared page in the e-mail address beforehand defined corresponding to said predetermined class of goods according to claim 5.

[Claim 7] The step which performs said maintenance is the production-control approach of goods according to claim 5 or 6 which answers an electronic mail and contains the step which performs processing beforehand defined to a part for the data division as which said database means was beforehand determined according to the destination address of said electronic mail, respectively, respectively.

[Claim 8] The step which performs said processing defined beforehand is the production-control approach of goods according to claim 7 which answers the electronic mail which has an attached paper and contains the step which updates a part for the data division as which said database means was determined beforehand, respectively according to the approach beforehand defined using the data contained in said attached paper, respectively according to the destination address of said electronic mail.

[Claim 9] The production-control server equipment which was connected with the intranet in a company and connected with the Internet through the fire wall is used. Recorded the program for realizing the production-control approach of the goods for managing production of the goods entrusted to the commission place outside a company. It is the storage in which computer reading is possible. Besides said fire wall The information offer server with which the computer connected to said Internet in the format which can peruse the information in said production-control server equipment from the exterior accessible can be provided from the outside is prepared. The step which prepares the database means for holding data required in order that the production-control approach of said goods may manage the part of the request of an order of goods, production, and the PD in said production-control server equipment, From the computer in the company connected to the computer and said intranet of the exterior connected to said Internet The step which maintains the data which receive the information about an order of goods, production, and the PD, and said database means holds, It answers that the data of a predetermined class were inputted into the record medium in which said computer reading is possible by said data input means. The step which prepares the access means for accessing a part for the data division corresponding to said predetermined kind of said database means of data in said information offer server, It answers that said predetermined kind of data were inputted into said production-control server equipment by said data input means. The record medium containing the step notified to the destination to which the information for accessing said access means prepared in said information offer server was beforehand set according to said predetermined kind of information by said step to prepare in

which computer reading is possible.

[Claim 10] Said information offer server is equipped with a WWW server. Said step to prepare The step which prepares the page prepared in order to answer that said predetermined kind of data were inputted and to peruse the information relevant to the predetermined kind concerned of data in said WWW server is included. Said step to notify is a record medium containing the step which transmits the electronic mail which contains URL of said prepared page in the e-mail address beforehand defined corresponding to said predetermined class in which computer reading according to claim 9 is possible.

[Claim 11] The step which performs said maintenance is a record medium which answers an electronic mail and contains the step which performs processing beforehand defined to a part for the data division as which said database means was beforehand determined according to the destination address of said electronic mail, respectively, respectively and in which computer reading according to claim 9 or 10 is possible.

[Claim 12] The step which performs said processing defined beforehand is a record medium which answers the electronic mail which has an attached paper and contains the step which updates a part for the data division as which said database means was determined beforehand, respectively according to the approach beforehand defined using the data contained in said attached paper, respectively according to the destination address of said electronic mail and in which computer reading according to claim 11 is possible.

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## EFFECT OF THE INVENTION

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[Effect of the Invention] As mentioned above, according to the 1st invention, the persons concerned not only the inside of the company of an ODM dimension which employs the production-control server equipment concerned but outside a company, for example, a user, the ODM point, a PD contractor, etc. can share information required for production control on real time. Therefore, each post can acquire suitable information in many phases, such as an order, production, and PD, and becomes possible [ supplying a suitable number of products to a final user timely ]. The production-control server equipment which can, as a result, shorten the time for delivery to a user more can be offered.

[0113] According to the 2nd invention, each persons concerned can access the required page in a WWW server easily using a general browser, and can acquire information required for a production control through the page. In order to acquire information, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the production-control server equipment which can shorten the time for delivery to a user more, without applying a heavy burden to the persons concerned can be offered.

[0114] According to the 3rd invention, the processing corresponding to an entry of data is chosen by the destination address of an electronic mail. In order to input data, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the burden for performing a production control ends lightly. Consequently, the persons concerned can be provided with the production-control server equipment which can shorten the time for delivery to a user more, without applying a heavy burden.

[0115] According to the 4th invention, based on the contents of the document according to the predetermined format attached to the electronic mail, processing chosen according to the destination address of an electronic mail is performed. It is easy to draw up an attached paper and it does not need to introduce the system of dedication into eye others. Consequently, for the persons concerned outside a company, in order to input data, it is not necessary to introduce the system of dedication and, and it becomes possible to mistake a lot of data by easy actuation, and to input by it that there is nothing, and the burden for performing a production control ends lightly. Consequently, the persons concerned can be provided with the production-control server equipment which can shorten the time for delivery to a user more, without applying a heavy burden.

[0116] According to the 5th invention, shortly after a database means is updated, a notice is performed to the destination relevant to the data. By accessing an access means according to the notice, the person in charge of the destination concerned can access new data immediately. Therefore, the persons concerned not only the inside of the company of an ODM dimension which employs the production-control server equipment concerned but outside a company, for example, a user, the ODM point, a PD contractor, etc. can share information required for production control on real time. Therefore, each post can acquire suitable information in many phases, such as an order, production, and PD, becomes possible [ supplying a suitable number of products to a final user timely ], and can shorten the time for delivery to a user more.

[0117] According to the 6th invention, each persons concerned can access the required page in a WWW

server easily using a general browser, and can acquire information required for a production control through the page. In order to acquire information, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

[0118] According to the 7th invention, the processing corresponding to an entry of data is chosen by the destination address of an electronic mail. In order to input data, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

[0119] According to the 8th invention, based on the contents of the document according to a predetermined format attached to the electronic mail, processing chosen according to the destination address of an electronic mail is performed. It is easy to draw up an attached paper and it does not need to introduce the system of dedication into eye others. Consequently, for the persons concerned outside a company, in order to input data, it is not necessary to introduce the system of dedication and, and it becomes possible to mistake a lot of data by easy actuation, and to input by it that there is nothing, and the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

[0120] According to the 9th invention, shortly after a database means is updated, a notice is performed to the destination relevant to the data. the person in charge of the destination concerned accesses an access means according to the notice -- new data -- immediately -- and it can access easily. The persons concerned not only the inside of the company of an ODM dimension which employs the production-control server equipment concerned but outside a company, for example, a user, the ODM point, a PD contractor, etc. can share information required for production control on real time. Therefore, each post can acquire suitable information in many phases, such as an order, production, and PD, becomes possible [ supplying a suitable number of products to a final user timely ], and can shorten the time for delivery to a user more.

[0121] According to the 10th invention, each persons concerned can access the required page in a WWW server easily using a general browser, and can acquire information required for a production control through the page. In order to acquire information, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

[0122] According to the 11th invention, the processing corresponding to an entry of data is chosen by the destination address of an electronic mail. In order to input data, it is not necessary to introduce the system of dedication, and for the persons concerned outside a company, the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

[0123] According to the 12th invention, based on the contents of the document according to a predetermined format attached to the electronic mail, processing chosen according to the destination address of an electronic mail is performed. It is easy to draw up an attached paper and it does not need to introduce the system of dedication into eye others. Consequently, for the persons concerned outside a company, in order to input data, it is not necessary to introduce the system of dedication and, and it becomes possible to mistake a lot of data by easy actuation, and to input by it that there is nothing, and the burden for performing a production control ends lightly. Consequently, the time for delivery to a user can be shortened more, without applying a heavy burden to the persons concerned.

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